

## Myelin Basic Protein Rabbit mAb

Catalog No: #49329

Package Size: #49329-1 50ul #49329-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

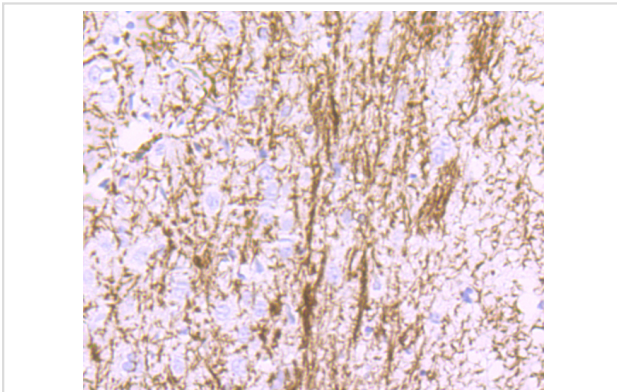
## Description

Product Name	Myelin Basic Protein Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF0943
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	GDB antibody Golli MBP antibody Golli MBP; myelin basic protein antibody Hemopoietic MBP antibody HMBPR antibody HUGO antibody MBP antibody MBP_CAVPO antibody MBP_HUMAN antibody MGC99675 antibody MLD antibody Myelin A1 protein antibody Myelin A1 Protein, basic antibody Myelin basic protein antibody Myelin Deficient antibody Myelin membrane encephalitogenic protein antibody OTTHUMP00000163776 antibody OTTHUMP00000174387 antibody OTTHUMP00000174388 antibody SHI antibody Shiverer antibody SP antibody
Accession No.	Swiss-Prot#:P02686
Uniprot	P02686
GeneID	4155;
Calculated MW	33/21/19 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

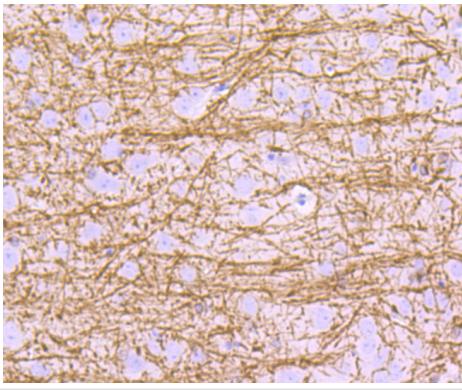
## Application Details

WB: 1:1,000 IHC: 1:50-1:200

## Images



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Myelin Basic Protein antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Myelin Basic Protein antibody. Counter stained with hematoxylin.

## Background

Myelin basic protein (MBP) is the major extrinsic membrane protein of central nervous system myelin. MBP phosphorylation at Threonine 125 is a complex regulatory process that modulates the contribution of MBP to the stability of the myelin sheath. Mitogen-activated protein kinases modulate MBP phosphorylation during myelinogenesis and in the demyelinating disease multiple sclerosis. MBP phosphorylation is regulated by high-frequency stimulation but not low-frequency stimulation of the alveus, the myelinated output fibers of the hippocampus. It is proposed that during periods of increased neuronal activity, calcium activates axonal nitric oxide synthase, which generates the intercellular messengers nitric oxide and superoxide and regulates the phosphorylation state of MBP by MAPK.

## References

Note: This product is for in vitro research use only